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SHEET 1 OF 5

FORM PTO-1449

U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICEATTY. DOCKET NO.
2060-78SERIAL NO.
09/997,932INFORMATION DISCLOSURE STATEMENT
(Use several sheets if necessary)APPLICANT
BRODERICK et al.FILING DATE
November 28, 2001

GROUP ART

U.S. PATENT DOCUMENTS

| *EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | NAME | CLASS | SUB CLASS | FILING DATE IF APPROP. |
|----------------------|----|--------------------|----------|--------------------|-------|--------------|---------------------------|
| AK | AA | 2,860,952 | 11/18/58 | BERGERON ET AL. | 23 | 134 | |
| AK | AB | 3,194,629 | 07/13/65 | DREIBELBIS ET AL. | 23 | 2 | |
| AK | AC | 3,232,033 | 02/01/66 | WILLISTON ET AL. | 55 | 387 | |
| AK | AD | 3,257,776 | 06/28/66 | PARK ET AL. | 55 | 72 | |
| AK | AE | 3,374,608 | 03/26/68 | MANES | 55 | 72 | |
| AK | AF | 3,674,428 | 07/04/72 | DEAN ET AL. | 23 | 134 | |
| AK | AG | 3,740,331 | 06/19/73 | ANDERSON ET AL. | 210 | 53 | |
| AK | AH | 3,749,761 | 07/31/73 | DEAN ET AL. | 423 | 562 | |
| AK | AI | 3,790,370 | 02/05/74 | LALANCETTE | 75 | 108 | |
| AK | AJ | 3,835,217 | 09/10/74 | DUNSMOOR | 423 | 499 | |
| AK | AK | 3,847,598 | 11/12/74 | COULTER ET AL. | 75 | 121 | |
| AK | AL | 3,857,704 | 12/31/74 | COULTER | 75 | 121 | |
| AK | AM | 3,873,581 | 03/25/75 | FITZPATRICK ET AL. | 260 | 370 | |
| AK | AN | 4,038,071 | 07/26/77 | DI BELLA | 75 | 108 | |
| AK | AO | 4,053,401 | 10/11/77 | FUKUSHIMA ET AL. | 210 | 52 | |
| AK | AP | 4,094,777 | 06/13/78 | SUGIER ET AL. | 210 | 32 | |
| AK | AQ | 4,101,631 | 07/18/78 | AMBROSINI ET AL. | 423 | 210 | |
| AK | AR | 4,147,626 | 04/03/79 | FINDLAY ET AL. | 210 | 52 | |
| AK | AS | 4,230,486 | 10/28/80 | CAPUANO ET AL. | 75 | 81 | |
| AK | AT | 4,256,707 | 03/17/81 | FLYNN, JR. ET AL. | 423 | 42 | |
| AK | AU | 4,260,494 | 04/07/81 | DOTSON ET AL. | 210 | 721 | |

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|----|----|-----------|----------|------------------|-----|-------|--|
| AK | AV | 4,354,942 | 10/19/82 | KACZUR ET AL. | 210 | 712 | |
| AK | AW | 4,377,483 | 03/22/83 | YAMASHITA ET AL. | 210 | 670 | |
| AK | AX | 4,419,107 | 12/06/83 | ROYDHOUSE | 55 | 5 | |
| AK | AY | 4,474,896 | 10/02/84 | CHAO | 502 | 216 | |
| AK | AZ | 4,599,177 | 07/08/86 | HAYASHI ET AL. | 210 | 718 | |
| AK | BA | 4,614,592 | 09/30/86 | GOOGIN ET AL. | 210 | 679 | |
| AK | BB | 4,695,447 | 09/22/87 | SHULTZ | 423 | 659 | |
| AK | BC | 4,709,118 | 11/24/87 | YAN | 585 | 820 | |
| AK | BD | 4,731,187 | 03/15/88 | MORIYA ET AL. | 210 | 719 | |
| AK | BE | 4,764,219 | 08/16/88 | YAN | 134 | 2 | |
| AK | BF | 4,814,091 | 03/21/89 | NAPIER ET AL. | 210 | 665 | |
| AK | BG | 4,844,815 | 07/04/89 | ADER ET AL. | 210 | 751 | |
| AK | BH | 4,861,493 | 08/29/89 | JANSEN | 210 | 715 | |
| AK | BI | 4,892,567 | 01/09/90 | YAN | 55 | 33 | |
| AK | BJ | 4,909,926 | 03/20/90 | YAN | 208 | 253 | |
| AK | BK | 4,915,818 | 04/10/90 | YAN | 208 | 251 | |
| AK | BL | 4,962,276 | 10/09/90 | YAN | 585 | 867 | |
| AK | BM | 4,986,898 | 01/22/91 | TORIHATA ET AL. | 208 | 251 | |
| AK | BN | 5,034,054 | 07/23/91 | WOODWARD | 75 | 388 | |
| AK | BO | 5,053,209 | 10/01/91 | YAN | 423 | 210 | |
| AK | BP | 5,062,948 | 11/05/91 | KAWAZOE ET AL. | 208 | 251 | |
| AK | BQ | 5,080,799 | 01/14/92 | YAN | 210 | 661 | |
| AK | BR | 5,107,060 | 04/21/92 | YAN | 585 | 823 | |
| AK | BS | 5,141,724 | 08/25/92 | AUDEH ET AL. | 423 | 210 | |
| AK | BT | 5,173,286 | 12/22/92 | AUDEH | 423 | 566.1 | |

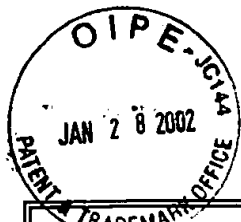
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Anthony T. Dubas

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SHEET 3 OF 5

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| FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary) | ATTY. DOCKET NO. 2060-78 | SERIAL NO. 09/997,932 |
| | APPLICANT BRODERICK et al. | |
| | FILING DATE November 28, 2001 | GROUP ART |

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|----|----|-----------|----------|-------------------|-----|-----|--|
| AK | BU | 5,192,163 | 03/09/93 | FLEMING | 405 | 128 | |
| AK | BV | 5,202,301 | 04/13/93 | McNAMARA | 502 | 417 | |
| AK | BW | 5,298,168 | 03/29/94 | GUESS | 210 | 713 | |
| AK | BX | 5,308,500 | 05/03/94 | SCHWARZBACH | 210 | 716 | |
| AK | BY | 5,322,628 | 06/21/94 | YAN | 210 | 673 | |
| AK | BZ | 5,336,835 | 08/09/94 | McNAMARA | 585 | 820 | |
| AK | CA | 5,360,632 | 11/01/94 | JOHNSON ET AL. | 427 | 212 | |
| AK | CB | 5,391,217 | 02/21/95 | ZOCHE | 75 | 724 | |
| AK | CC | 5,409,522 | 04/25/95 | DURHAM ET AL. | 75 | 670 | |
| AK | CD | 5,419,884 | 05/30/95 | WEEKMAN ET AL. | 423 | 210 | |
| AK | CE | 5,463,167 | 10/31/95 | OU | 585 | 823 | |
| AK | CF | 5,492,627 | 02/20/96 | HAGEN ET AL. | 210 | 651 | |
| AK | CG | 5,523,067 | 06/04/96 | MARKOV | 423 | 99 | |
| AK | CH | 5,536,416 | 07/16/96 | COLTRINARI ET AL. | 210 | 723 | |
| AK | CI | 5,919,001 | 07/06/99 | LIN | 405 | 128 | |
| AK | CJ | 5,922,277 | 07/13/99 | DONHOFF ET AL. | 422 | 1 | |
| AK | CK | 5,976,383 | 11/02/99 | GUESS ET AL. | 210 | 711 | |
| AK | CL | 5,986,161 | 11/16/99 | AKAE ET AL. | 588 | 231 | |

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| EXAMINER <i>Anthony Kumar</i> | DATE CONSIDERED <i>7/15/03</i> |
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FORM PTO 100

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GROUP ART

FOREIGN PATENT DOCUMENTS

| | | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUB CLASS | TRANSLATION | |
|----|----|--------------------|----------|---------|-------|--------------|-------------|----|
| | | | | | | | YES | NO |
| AK | CM | JP 48026672 A | 04/07/73 | Japan | | | | x |
| AK | CN | JP 51069483 | 06/16/76 | Japan | | | | x |
| AK | CO | DE 41 23907 A1 | 01/21/93 | Germany | | | | x |
| AK | CP | DE 44 22 468 A1 | 01/04/96 | Germany | | | | x |
| AK | CQ | 2,173,171 | 10/26/96 | Canada | | | | x |
| AK | CR | 2,173,271 | 02/23/99 | Canada | | | | x |

OTHER ART (Including Author, Title, Date, Pertinent Pages, etc.)

| | | |
|----|----|---|
| AK | CS | Sittig, 1973, Pollutant Removal Handbook: 286-294 |
| AK | CT | Grant et al., 1987, Grant & Hack's Chemical Dictionary: 25, 29 |
| AK | CU | Barth, 1990, The SITE Demonstration of the CHEMFIx Solidification/Stabilization Process at the Portable Equipment Salvage Company Site: 166-170 |
| AK | CV | Huang et al., 1991, Emissions of Airborne Toxics from Coal-Fired Boilers: Mercury: 13-16 |
| AK | CW | Superfund Innovative Technology Evaluation, 1992 |
| AK | CX | Trezek, 1992, Remediation of Heavy Metals in Soils and Sludges: 1-5 |
| AK | CY | Darnell et al., 1992, Full-Scale Tests of Sulfur Polymer Cement and Non-radioactive Waste in Heated and Unheated Prototypical Containers: iii-A-8 |
| AK | CZ | Blumbach et al., 1992, Sorbalit - A New Economic Approach Reducing Mercury and Dioxin Emissions: 2-20 |
| AK | DA | Hartenstein, 1992, A Fixed Bed Activated Coke/Carbon Filter as a Final Gas Cleaning Stage Retrofitted for a Hazardous Waste Incineration Plant - The First 6 Months of Operating Experience: 2-16 |
| AK | DB | Gorin et al., 1994, Final Disposal Options for Mercury/Uranium Mixed Wastes From the Oak Ridge Reservation: iii-21 |
| AK | DC | Daryl R., 1998, ADA Technologies, Inc. Memorandum |

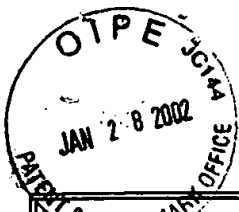
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| AK | DD | 1998, ADA Process for Stabilizing Radioactively Contaminated Elemental Mercury a Success, VIII (3): 1-4 |
| AK | DE | Brown, 2000, Stabilization of Mercury Containing Wastes |
| AK | DF | 2000, Soil Screening Guidance for Radionuclides: User's Guide: i-C-8 |
| AK | DG | Davis et al., Mercury Mixed Waste Treatment: 13-23 |
| AK | DH | Stewart et al., Stabilization of Radioactively Contaminated Elemental Mercury Wastes |
| AK | DI | Darco FGD Activated Carbon for Removal of Mercury and Dioxin From Flue Gas: 1-5 |
| AK | DJ | Conley, Hg Working Group/Treatment Demonstrations [3PCK]: 1-4 |
| AK | DK | Broderick et al., Mercury Control and Treatment Processes for Solid, Liquid and Gas Streams |
| AK | DL | Tyson, 1992, Treatability Study for the Amalgamation of a Radioactively Contaminated Elemental Mercury Waste at the Idaho National Engineering Laboratory |
| AK | DM | Faulkner et al., Size Reduction: 132-162 |

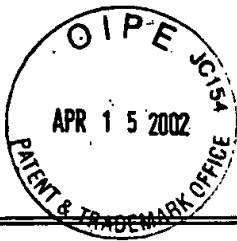
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SHEET 1 OF 1

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U.S. PATENT DOCUMENTS

| *EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | NAME | CLASS | SUB CLASS | FILING DATE IF APPROP. |
|----------------------|----|--------------------|----------|-----------------|-------|--------------|---------------------------|
| AK | AA | 5,898,093 | 04/27/99 | Vos | 588 | 236 | |
| AK | AB | 5,967,965 | 10/19/99 | Vyshkina et al. | 588 | 256 | |
| AK | AC | 5,976,270 | 11/02/99 | Zeletz et al. | 134 | 28 | |
| AK | AD | 6,139,485 | 10/31/00 | Pal et al. | 588 | 256 | |
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